

Suthunya Titopakarn 2006: Fundamental Mathematical Position Skills Development of Preschool Children Aged Between 3 - 4 Years Old by Rhythmic Activities. Master of Home Economics, Major Field: Home Economics, Department of Home Economics. Thesis Advisor: Miss Patcharee Vasvit, M.A. 162 pages. ISBN 974-16-2237-6

The purpose of this research was: to compare the difference of mathematical basics of position skills scores between the group of children who participated in rhythmic activities and those who did not.

The subjects of this research consisted of 60 preschool children ranging in age from 3-4 years old at Kaset Home Economics Kindergarten, Home Economics Department, Bangkhen Campus, Kasetsart University. The sampling technique was simple random sampling. The subjects were randomly divided into experimental group and control group with 30 preschool children per group. Fifteen rhythmic activity plans and mathematical basic skills tested from concerning the position were used to collect data. The obtained data were analyzed by mean, standard deviation and t-test.

The results were as follows. 1) Prior to the experiment, children's mathematical basics of position skills scores of the experimental group and control group were not significantly different at the level of 0.5 significance. 2) After the experiment the experimental group who participated in rhythmic activities had higher mathematical basics of position skills scores than the control group at the level of 0.001 significance. 3) Mathematical basics of position skills scores of the experimental group compared between prior and after the experiment were significantly different at the level of 0.001.



Student's signature



Thesis Advisor's signature

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